

## Product datasheet for MR221271

### Slc25a27 (NM\_028711) Mouse Tagged ORF Clone

#### Product data:

|                           |                                                                   |
|---------------------------|-------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                               |
| Product Name:             | Slc25a27 (NM_028711) Mouse Tagged ORF Clone                       |
| Tag:                      | Myc-DDK                                                           |
| Symbol:                   | Slc25a27                                                          |
| Synonyms:                 | 3632410G24Rik; 9430092A03Rik; D530043E16Rik; Ucp4                 |
| Mammalian Cell Selection: | Neomycin                                                          |
| Vector:                   | pCMV6-Entry (PS100001)                                            |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                              |
| ORF Nucleotide Sequence:  | >MR221271 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCCTATCGCCGAGGAGGAGAAGCTGCTGCCGCTCACGCAGAGATGGCCCCGACGAGCAAGTTCCTAC  
 TGTCCGGCTGCGCCGCAACCGTGGCCGAGCTAGCAACCTTCCCCTCGATCTCACAAAACCCGACTCCA  
 GATGCAAGGAGAAGCTGCCCTTGCTAGGTTGGGAGATGGCGCAGTGGACTCTGCCCTTATAGGGGCATG  
 GTGCGCACGGCCCTGGGAATTGTCAGGAGGAAGGCTTCTAAAGCTGTGGCAAGGAGTGACGCCCGCCA  
 TTTACAGACACGTAGTGTACTCTGGAGGTCGGATGGTCACCTATGAACATCTACGGGAAGTCGTGTTTGG  
 CAAAAGTGAAGATAAGCATTATCCCCTCTGGAAATCGGTCATTGGAGGGATGATGGCTGGTGCATCGGA  
 CAGTTTTTAGCCAACCCCACTGACCTTGTGAAGGTCCAGATGCAAATGGAAGGGAACGCAGACTGGAAG  
 GGAAACCCCTTGAGATTCCGTGGAGTACATCATGCAATTTGCAAAAATCTTAGCTGAAGGAGGAATCCGCGG  
 GCTTTGGCAGGCTGGATACCAATATTCAGAGAGCAGCGCTTGTGAACATGGGAGATCTAACCATTAC  
 GACACAGTGAAACACTACCTGGTATTGAACACACCGCTTGAAGACAATATTTCCACCCACGGCTTATCCA  
 GTTTGTGTTCTGGACTTGTGGCTTCTATTCTGGGAACACCAGCCGATGTCATCAAAGCCGAATAATGAA  
 CCAACCTCGAGACAAACAAGGAAGGGGACTTTTGTATAAGTCATCAGCTGACTGCTTGATCCAGGCTGTT  
 CAAGGGGAAGGCTTCTGAGCCTGTATAAAGGCTTCTACCCTCGTGGCTGAGAATGACCCCTTGGTCAA  
 TGGTGTCTGGCTCACTATGAAAAATCCGAGAGATGAGTGGAGTCAGCCCCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA


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**Protein Sequence:** >MR221271 protein sequence  
 Red=Cloning site Green=Tags(s)

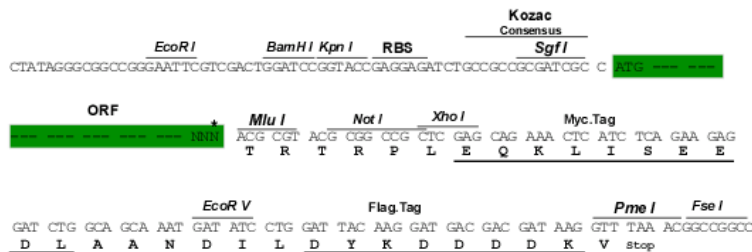
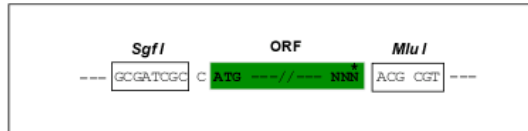
MPIAEEEEKLLPLTQRWPRTSKFLLSGCAATVAELATFPLDLTKTRLQMQGEAALARLGDGAVDSAPYRGM  
 VRTALGIVQEEGFLKLWQGVTPAIYRHVVYSGGRMVTYEHLREVVFVKSEDKHYPLWKSIVIGMMAGVIG  
 QFLANPTDLVKVQMOMEGKRRLEGKPLRFRGVHHAFAKILAEGGIRGLWAGWIPNIQRAALVNMGLTTY  
 DTVKHLYLVNTPLEDNISTHGLSSLCISGLVASILGTPADVIKSRIMNQPRDKQGRGLLYKSSADCLIQAV  
 QGEGFLSLYKGFPLPSWLRMTPWSMVFWLTYEKIREMSGVSPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_028711

**ORF Size:** 966 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_028711.4](#)

**RefSeq Size:** 2687 bp

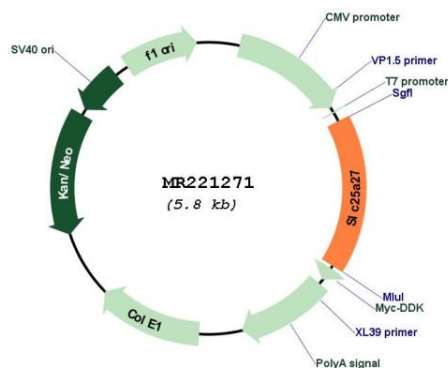
**RefSeq ORF:** 969 bp

**Locus ID:** 74011

**Cytogenetics:** 17 B3

**MW:** 35.8 kDa

## Product images:



Circular map for MR221271